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Jun 25, 2003

DERWENT-ACC-NO: 2003-628137

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TITLE: Synthetic fibre containing animal protein and its preparation

INVENTOR: GAO, S; JI, X ; LIU, B

PRIORITY-DATA: 2001CN-0144131 (December 12, 2001)

## PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

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MAIN-IPC

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INT-CL (IPC): D01F 8/02; D01F 8/10

ABSTRACTED-PUB-NO: CN 1425813A

BASIC-ABSTRACT:

NOVELTY - The present invention relates to textile technology and especially synthetic fiber containing animal protein and its preparation process. The preparation process includes separating and purifying keratin from natural animal material, dissolving keratin in water, regulating pH value of the solution with alkali solution to 8.5-12, concentrating to concentration of 13-20 wt%; dissolving PVA in water to form water solution of 13-20 wt% concentration; mixing the keratin solution and the PVA solution to form spinning solution; defoaming the spinning solution and wet spinning; wet bath drawing, stoving, drying and hot drawing; and hot setting.

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